

METHOD FOR TREATING ORGANS SUBJECT TO EROSION BY LIQUIDS
AND ANTI-EROSION COATING ALLOY

ABSTRACT

The present invention relates to a method for treating organs subject to erosion by liquids, in particular vapour turbine components, which contemplates laser plating with a cobalt-based alloy comprising chromium from 28 to 32% by weight; tungsten from 5 to 7% by weight; silicon from 0.1 to 2% by weight; carbon from 1.2 to 1.7% by weight; nickel from 0.5 to 3% by weight; iron from 0.01 to 1% by weight; manganese from 0.01 to 1% by weight; molybdenum from 0.2 to 1% by weight; possible impurities or other elements from 0 to 0.5% by weight and cobalt the complement to 100%.